



AEM - 20 October 2014

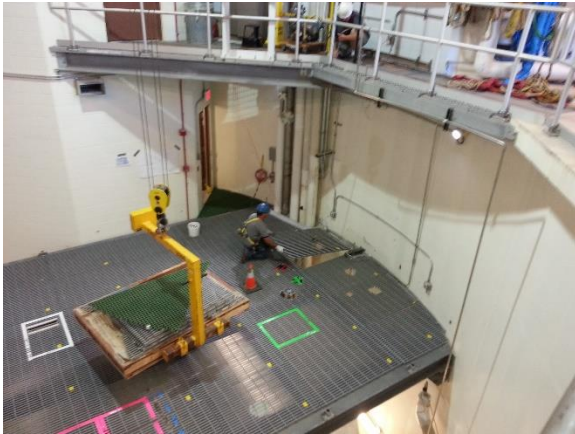
# Carry-over from last month's Report

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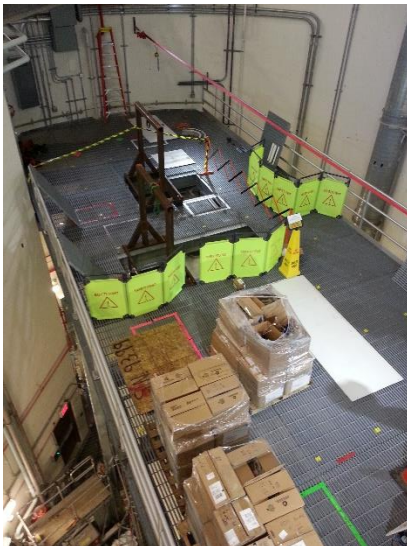


- ❑ Six welds which failed radiography
  - Repaired, but don't want a repeat
    - What was lacking in the QA/QC and work procedures?
  - Causes examined by a committee chaired by TJ Sarlina
    - Report issued – Human Performance Improvement (HPI) items cited
      - Imprecise communication among the technical groups (techs and welders)
      - Atypical weld technique – seldom used by on-site welders
      - Tight work spaces, difficult conditions
  - All critiques absorbed and appreciated
    - Cannot do very much about tight work spaces at LArTF, but certainly action has been taken to modify procedures and improve communication

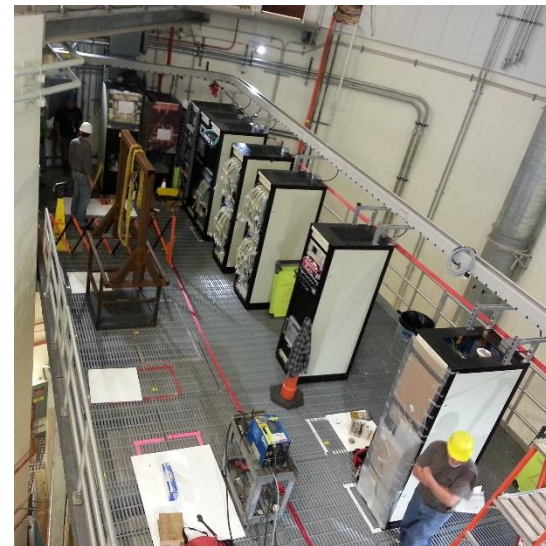
# Installation Progress



Early  
September



Mid-  
October



# Lots of cabling work

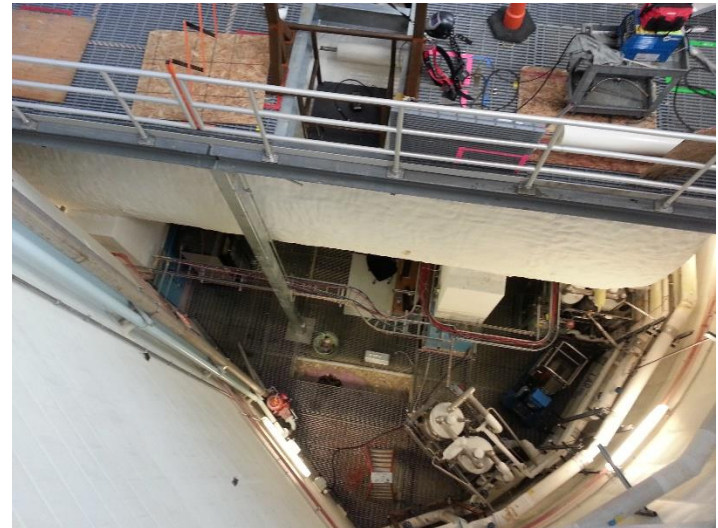
- First group of racks
  - Occupy the downstream end of the Platform, away from cryo work
  - Cabled up, inspected for pORC last Wednesday
    - Punch-list nearly completed
    - Power-up these racks this week
- Start pre-commissioning the detector readout
  - Similar to electronics testing performed at DAB





# Lots of cryogenics work

- ❑ All the large components installed, which were not already present
  - Phase-separator
  - Condensers
  - Compressor
- ❑ Remaining piping in progress
- ❑ Small fire – October 8
  - Spark from welding at Platform level
    - dropped 30-ft to the pit floor
    - ignited insulation material
    - Put out with fire extinguisher before Fire Dept arrived
  - Reports made/in progress
    - to DOE incident database, Category 4 ORPS
    - PPD HPI database
  - Reported items
    - No welding blanket at Pit level
    - Flammable material installed as part of building construction
    - FIRUS did not report the fire alarm
- ❑ Voluntary safety stand-down
  - 2 days last week
  - Reviewed all installation practices to date



# Work to Completion

## ❑ Cryogenics

- A bit more piping installation
- Pressure/leak testing of welded joints
- Insulation of joints

## ❑ Detector Readout

- Half of the racks ready
  - pORC for power-up this week
- Remaining racks will follow over the coming ~3 weeks
  - As piping installation clears out

## ❑ Project Close-Out

- Requesting CD4 review date before Christmas
- Draft Project close-out Report circulating

## ❑ Cool-down and fill starting in the New Year

